

 <a href="#">ExPASy Home page</a>	<a href="#">Site Map</a>	<a href="#">Search ExPASy</a>	<a href="#">Contact us</a>	<a href="#">ENZYME</a>
Search <input type="text" value="ENZYME"/>		<input type="button" value="▼"/> for <input type="text"/>	<input type="button" value="Go"/>	<input type="button" value="Clear"/>

# Search in ENZYME for: methylenetetrahydrofolate dehydrogenase

Release 35, June 2004, and updates up to 30-Jul-2004

Please choose one of the following entries:

- 1.5.1.5      Methylenetetrahydrofolate dehydrogenase (NADP+).
- 1.5.1.15    Methylenetetrahydrofolate dehydrogenase (NAD+).

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## Refine Search

### Search Results -

Terms	Documents
L1 and (falco or famodu or rafalski).in.	5

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
**US OCR Full-Text Database**  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L3

Refine Search

Recall Text    Clear    Interrupt

### Search History

**DATE:** Thursday, August 12, 2004 [Printable Copy](#) [Create Case](#)**Set Name** **Query**  
side by side**Hit Count** **Set Name**  
result set*DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR*

<u>L3</u>	L1 and (falco or famodu or rafalski).in.	5	<u>L3</u>
<u>L2</u>	L1 same (plant\$4 or rice\$4 or sativ\$4)	13	<u>L2</u>
<u>L1</u>	methylenetetrahydrofolat\$4 same dehydrogenas\$4	103	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040132150 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 5

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132150  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040132150 A1

TITLE: Isolated nucleic acids encoding methylenetetrahydrofolate dehydrogenase enzymes

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Falco, Saverio</u> Carl	Arden	DE	US	
<u>Famodu, Layo</u> O.	Newark	DE	US	
<u>Rafalski, J.</u> Antoni	Wilmington	DE	US	

US-CL-CURRENT: 435/193; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn De
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2. Document ID: US 20030170845 A1

L3: Entry 2 of 5

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030170845  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030170845 A1

TITLE: Tetrahydrofolate metabolic enzymes

PUBLICATION-DATE: September 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Famodu, Omolayo</u> O.	Newark	DE	US	
<u>Orozco, Emil M.</u> JR.	Cochranville	PA	US	

US-CL-CURRENT: 435/191; 435/193, 435/320.1, 435/325, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#)

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3. Document ID: US 20020102689 A1

L3: Entry 3 of 5

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102689

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102689 A1

TITLE: Tetrahydrofolate metabolism enzymes

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Falco, Saverio Carl</u>	Wilmington	DE	US	
<u>Famodu, Layo O.</u>	Newark	DE	US	
<u>Orozco, Emil M. JR.</u>	West Grove	PA	US	
<u>Rafalski, J. Antoni</u>	Wilmington	DE	US	
<u>Thorpe, Catherine J.</u>	St. Albans		GB	

US-CL-CURRENT: 435/193; 435/320.1, 435/325, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#)

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4. Document ID: US 6680428 B2

L3: Entry 4 of 5

File: USPT

Jan 20, 2004

US-PAT-NO: 6680428

DOCUMENT-IDENTIFIER: US 6680428 B2

TITLE: Isolated nucleic acids encoding methylenetetrahydrofolate dehydrogenase enzymes

DATE-ISSUED: January 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Falco; Saverio Carl</u>	Wilmington	DE		
<u>Famodu; Layo O.</u>	Newark	DE		
<u>Rafalski; J. Antoni</u>	Wilmington	DE		

US-CL-CURRENT: 800/295; 435/190, 435/252.3, 435/26, 435/320.1, 435/325, 435/410,  
435/419, 435/468, 435/469, 435/470, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#)

5. Document ID: US 6436657 B1

L3: Entry 5 of 5

File: USPT

Aug 20, 2002

US-PAT-NO: 6436657

DOCUMENT-IDENTIFIER: US 6436657 B1

TITLE: Polynucleotides encoding aminomethyltransferases

DATE-ISSUED: August 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Famodu; Omolayo O.	Newark	DE		
Orozco, Jr.; Emil M.	West Grove	PA		

US-CL-CURRENT: 435/15, 435/193, 435/235.1, 435/252.3, 435/254.11, 435/320.1,  
435/325, 435/419, 435/440, 435/468, 435/91.2, 536/23.2, 800/288, 800/295[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Description](#) | [Assignment](#) | [Claims](#) | [KINIC](#) | [Drawn De](#)[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

Terms	Documents
L1 and (falco or famodu or rafalski).in.	5

Display Format: [-] [Change Format](#)[Previous Page](#)    [Next Page](#)    [Go to Doc#](#)

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OAACS				

Search Results - Record(s) 1 through 13 of 13 returned.

1. Document ID: US 20040132150 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 13

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132150

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132150 A1

TITLE: Isolated nucleic acids encoding methylenetetrahydrofolate dehydrogenase enzymes

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Falco, Saverio Carl	Arden	DE	US	
Famodu, Layo O.	Newark	DE	US	
Rafalski, J. Antoni	Wilmington	DE	US	

US-CL-CURRENT: 435/193; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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2. Document ID: US 20040033495 A1

L2: Entry 2 of 13

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040033495

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040033495 A1

TITLE: Methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Murray, Richard	Cupertino	CA	US	
Glynne, Richard	Palo Alto	CA	US	
Watson, Susan R.	El Cerrito	CA	US	

Aziz, Natasha

Palo Alto

CA

US

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 435/7.23, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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3. Document ID: US 20030170845 A1

L2: Entry 3 of 13

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030170845

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030170845 A1

TITLE: Tetrahydrofolate metabolic enzymes

PUBLICATION-DATE: September 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Famodu, Omolayo O.	Newark	DE	US	
Orozco, Emil M. JR.	Cochranville	PA	US	

US-CL-CURRENT: 435/191; 435/193, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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4. Document ID: US 20030115639 A1

L2: Entry 4 of 13

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030115639

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030115639 A1

TITLE: Expressed sequences of arabidopsis thaliana

PUBLICATION-DATE: June 19, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gorlach, Jorn	Durham	NC	US	
An, Yong-Qiang	San Diego	CA	US	
Hamilton, Carol M.	Apex	NC	US	
Price, Jennifer L.	Raleigh	NC	US	
Raines, Tracy M.	Durham	NC	US	
Yu, Yang	Matinsville	NJ	US	
Rameaka, Joshua G.	Durham	NC	US	
Page, Amy	Durham	NC	US	

Mathew, Abraham V.	Cary	NC	US
Ledford, Brooke L.	Holly Springs	NC	US
Woessner, Jeffrey P.	Hillsborough	NC	US
Haas, William David	Durham	NC	US
Garcia, Carlos A.	Carrboro	NC	US
Kricker, Maja	Pittsboro	NC	US
Slater, Ted	Apex	NC	US
Davis, Keith R.	Durham	NC	US
Allen, Keith	Cary	NC	US
Hoffman, Neil	Chapel Hill	NC	US
Hurban, Patrick	Raleigh	NC	US

US-CL-CURRENT: 800/288; 435/4, 536/23.2, 536/23.6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

5. Document ID: US 20020102689 A1

L2: Entry 5 of 13

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102689

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102689 A1

TITLE: Tetrahydrofolate metabolism enzymes

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Falco, Saverio Carl	Wilmington	DE	US	
Famodu, Layo O.	Newark	DE	US	
Orozco, Emil M. JR.	West Grove	PA	US	
Rafalski, J. Antoni	Wilmington	DE	US	
Thorpe, Catherine J.	St. Albans		GB	

US-CL-CURRENT: 435/193; 435/320.1, 435/325, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

6. Document ID: US 20020040490 A1

L2: Entry 6 of 13

File: PGPB

Apr 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020040490

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020040490 A1

TITLE: Expressed sequences of arabidopsis thaliana

PUBLICATION-DATE: April 4, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gorlach, Jorn	Durham	NC	US	
An, Yong-Qiang	San Diego	CA	US	
Hamilton, Carol M.	Apex	NC	US	
Price, Jennifer L.	Raleigh	NC	US	
Raines, Tracy M.	Durham	NC	US	
Yu, Yang	Martinsville	NJ	US	
Rameaka, Joshua G.	Durham	NC	US	
Page, Amy	Durham	NC	US	
Mathew, Abraham V.	Cary	NC	US	
Ledford, Brooke L.	Holly Springs	NC	US	
Woessner, Jeffrey P.	Hillsborough	NC	US	
Haas, William David	Durham	NC	US	
Garcia, Carlos A.	Carrboro	NC	US	
Kricker, Maja	Pittsboro	NC	US	
Slater, Ted	Apex	NC	US	
Davis, Keith R.	Durham	NC	US	
Allen, Keith	Cary	NC	US	
Hoffman, Neil	Chapel Hill	NC	US	
Hurban, Patrick	Raleigh	NC	US	

US-CL-CURRENT: 800/288; 435/4, 536/23.2, 536/23.6

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn D</a>
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 7. Document ID: US 20020023281 A1

L2: Entry 7 of 13

File: PGPB

Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020023281

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020023281 A1

TITLE: Expressed sequences of arabidopsis thaliana

PUBLICATION-DATE: February 21, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gorlach, Jorn	Durham	NC	US	
An, Yong-Qiang	San Diego	CA	US	
Hamilton, Carol M.	Apex	NC	US	
Price, Jennifer L.	Raleigh	NC	US	
Raines, Tracy M.	Durham	NC	US	
Yu, Yang	Martinsville	NJ	US	
Rameaka, Joshua G.	Durham	NC	US	

Page, Amy	Durham	NC	US
Mathew, Abraham V.	Cary	NC	US
Ledford, Brooke L.	Holly Springs	NC	US
Woessner, Jeffrey P.	Hillsborough	NC	US
Haas, William David	Durham	NC	US
Garcia, Carlos A.	Carrboro	NC	US
Kricker, Maja	Pittsboro	NC	US
Slater, Ted	Apex	NC	US
Davis, Keith R.	Durham	NC	US
Allen, Keith	Cary	NC	US
Hoffman, Neil	Chapel Hill	NC	US
Hurban, Patrick	Raleigh	NC	US

US-CL-CURRENT: 800/288; 435/4, 536/23.2, 536/23.6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw. De](#)

8. Document ID: US 20010051335 A1

L2: Entry 8 of 13

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051335

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051335 A1

TITLE: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LALGUDI, RAGHUNATH V.	CLAYTON	MO	US	
ITO, LAURA Y.	PLEASANTON	CA	US	
SHERMAN, BRADLEY K.	OAKLAND	CA	US	

US-CL-CURRENT: 435/6; 435/69.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw. De](#)

9. Document ID: US 6680428 B2

L2: Entry 9 of 13

File: USPT

Jan 20, 2004

US-PAT-NO: 6680428

DOCUMENT-IDENTIFIER: US 6680428 B2

TITLE: Isolated nucleic acids encoding methylenetetrahydrofolate dehydrogenase enzymes

DATE-ISSUED: January 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falco; Saverio Carl	Wilmington	DE		
Famodu; Layo O.	Newark	DE		
Rafalski; J. Antoni	Wilmington	DE		

US-CL-CURRENT: 800/295; 435/190, 435/252.3, 435/26, 435/320.1, 435/325, 435/410,  
435/419, 435/468, 435/469, 435/470, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attic Images](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

10. Document ID: US 6476212 B1

L2: Entry 10 of 13

File: USPT

Nov 5, 2002

US-PAT-NO: 6476212

DOCUMENT-IDENTIFIER: US 6476212 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Polynucleotides and polypeptides derived from corn ear

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lalgudi; Raghunath V.	Clayton	MO		
Ito; Laura Y.	Pleasanton	CA		
Sherman; Bradley K.	Oakland	CA		

US-CL-CURRENT: 536/23.6; 435/6, 536/24.3

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attic Images](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

11. Document ID: US 6436657 B1

L2: Entry 11 of 13

File: USPT

Aug 20, 2002

US-PAT-NO: 6436657

DOCUMENT-IDENTIFIER: US 6436657 B1

TITLE: Polynucleotides encoding aminomethyltransferases

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Famodu; Omolayo O.	Newark	DE		
Orozco, Jr.; Emil M.	West Grove	PA		

US-CL-CURRENT: 435/15, 435/193, 435/235.1, 435/252.3, 435/254.11, 435/320.1,  
435/325, 435/419, 435/440, 435/468, 435/91.2, 536/23.2, 800/288, 800/295

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#)

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12. Document ID: US 6121195 A

L2: Entry 12 of 13

File: USPT

Sep 19, 2000

US-PAT-NO: 6121195

DOCUMENT-IDENTIFIER: US 6121195 A

TITLE: Methods and compositions for enhancing formyltetrahydropteroylpolyglutamate  
in plants

DATE-ISSUED: September 19, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nonomura; Arthur M.	Boxborough	MA	01719	
Nishio; John N.	Laramie	WY	82070	
Benson; Andrew A.	La Jolla	CA	92037	

US-CL-CURRENT: 504/136, 504/143, 504/144, 504/147, 504/149, 504/241, 504/318,  
504/324, 504/339

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#)

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13. Document ID: US 5846908 A

L2: Entry 13 of 13

File: USPT

Dec 8, 1998

US-PAT-NO: 5846908

DOCUMENT-IDENTIFIER: US 5846908 A

TITLE: Methods and compositions for enhancing plant growth with p-amino- or p-nitro-benzoic acids

DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nonomura; Arthur M.	Boxborough	MA	01719	
Nishio; John N.	Laramie	WY	82070	
Benson; Andrew A.	La Jolla	CA	92037	

US-CL-CURRENT: 504/322, 504/136, 504/142, 504/144, 504/147, 504/149, 504/324

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#)

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Terms

Documents

L1 same (plant\$4 or rice\$4 or sativ\$4)

13

**Display Format:**  [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

=> d his

(FILE 'HOME' ENTERED AT 16:29:32 ON 12 AUG 2004)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANABSTR, ANTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, ...' ENTERED AT 16:29:45 ON 12 AUG 2004

SEA METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

2 FILE ADISCTI  
16 FILE AGRICOLA  
2 FILE ANABSTR  
1 FILE BIOENG  
143 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
90 FILE BIOTECHNO  
27 FILE CABA  
40 FILE CANCERLIT  
308 FILE CAPLUS  
2 FILE CEABA-VTB  
3 FILE CONFSCI  
20 FILE DISSABS  
29 FILE DDFB  
9 FILE DDFU  
15 FILE DGENE  
29 FILE DRUGB  
11 FILE DRUGU  
206 FILE EMBASE  
40 FILE ESBIOBASE  
7\* FILE FEDRIP  
571 FILE GENBANK  
8 FILE IFIPAT  
3 FILE JICST-EPLUS  
49 FILE LIFESCI  
314 FILE MEDLINE  
3 FILE NTIS  
59 FILE PASCAL  
106 FILE SCISEARCH  
93 FILE TOXCENTER  
101 FILE USPATFULL  
6 FILE USPAT2  
4 FILE WPIDS  
4 FILE WINDEX  
QUE METHYLENET

L1 QUE METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

FILE 'GENBANK, MEDLINE, CAPLUS, EMBASE, BIOSIS, SCISEARCH, USPATFULL, TOXCENTER, BIOTECHNO, PASCAL' ENTERED AT 16:35:50 ON 12 AUG 2004

L2 1991 S METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

L3 34 S L2 (S)(RICE? OR SATIV?)

L4 62 S L2 (S)(PLANT? OR RICE? OR SATIV?)  
L5 43 DUP REM L4 (19 DUPLICATES REMOVED)

Welcome to STN International! Enter x:x

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NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3	May 12 EXTEND option available in structure searching
NEWS	4	May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5	May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in Cplus
NEWS	6	May 27 Cplus super roles and document types searchable in REGISTRY
NEWS	7	Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS	8	Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS	9	Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	10	Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS	11	AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	12	AUG 02 Cplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	13	AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS	14	AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	15	AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS EXPRESS		JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 16:29:32 ON 12 AUG 2004

=> index bioscience medicine  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS

SINCE FILE ENTRY	0.21	TOTAL SESSION	0.21
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77 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s methylenetetrahydrofo? (s) dehydrogenas?

2	FILE ADISCTI
16	FILE AGRICOLA
2	FILE ANABSTR
1	FILE BIOENG
143	FILE BIOSIS
1	FILE BIOTECHABS
1	FILE BIOTECHDS
90	FILE BIOTECHNO
27	FILE CABA
40	FILE CANCERLIT
308	FILE CAPLUS
2	FILE CEABA-VTB
3	FILE CONFSCI
20	FILE DISSABS
29	FILE DDFB
9	FILE DDFU
15	FILE DGENE
29	FILE DRUGB
11	FILE DRUGU
206	FILE EMBASE
40	FILE ESBIOWBASE
7*	FILE FEDRIP

39 FILES SEARCHED...

571	FILE GENBANK
8	FILE IFIPAT
3	FILE JICST-EPLUS
49	FILE LIFESCI
314	FILE MEDLINE
3	FILE NTIS
59	FILE PASCAL
106	FILE SCISEARCH
93	FILE TOXCENTER
101	FILE USPATFULL
6	FILE USPAT2
4	FILE WPIDS
4	FILE WPINDEX

35 FILES HAVE ONE OR MORE ANSWERS, 77 FILES SEARCHED IN STNINDEX

L1 QUE METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

=> d rank

F1	571	GENBANK
F2	314	MEDLINE
F3	308	CAPLUS
F4	206	EMBASE
F5	143	BIOSIS
F6	106	SCISEARCH
F7	101	USPATFULL
F8	93	TOXCENTER
F9	90	BIOTECHNO
F10	59	PASCAL
F11	49	LIFESCI
F12	40	CANCERLIT
F13	40	ESBIOWBASE
F14	29	DDFB
F15	29	DRUGB
F16	27	CABA
F17	20	DISSABS
F18	16	AGRICOLA
F19	15	DGENE
F20	11	DRUGU
F21	9	DDFU
F22	8	IFIPAT
F23	7*	FEDRIP

F24 6 USPAT2  
F25 4 WPIDS  
F26 4 WPINDEX  
F27 3 CONFSCI  
F28 3 JICST-EPLUS  
F29 3 NTIS  
F30 2 ADISCTI  
F31 2 ANABSTR  
F32 2 CEABA-VTB  
F33 1 BIOENG  
F34 1 BIOTECHABS  
F35 1 BIOTECHDS

=> file f1-f10  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 5.70 5.91

FILE 'GENBANK' ENTERED AT 16:35:50 ON 12 AUG 2004

FILE 'MEDLINE' ENTERED AT 16:35:50 ON 12 AUG 2004

FILE 'CAPLUS' ENTERED AT 16:35:50 ON 12 AUG 2004  
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=> s methylenetetrahydrofo? (s) dehydrogenas?  
L2 1991 METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

=> s 12 (s)(rice? or sativ?)  
L3 34 L2 (S)(RICE? OR SATIV?)

=> s 12 (s)(plant? or rice? or sativ?)  
8 FILES SEARCHED...  
L4 62 L2 (S)(PLANT? OR RICE? OR SATIV?)

=> dup rem 14  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L4  
L5 43 DUP REM L4 (19 DUPLICATES REMOVED)

=> d ti 15 1-43

L5 ANSWER 1 OF 43 USPATFULL on STN

TI Isolated nucleic acids encoding methylenetetrahydrofolate dehydrogenase enzymes

L5 ANSWER 2 OF 43 USPATFULL on STN  
TI Methods of diagnosis of angiogenesis, compositions and methods of screening for angiogenesis modulators

L5 ANSWER 3 OF 43 USPATFULL on STN  
TI Tetrahydrofolate metabolic enzymes

L5 ANSWER 4 OF 43 USPATFULL on STN  
TI Expressed sequences of *arabidopsis thaliana*

L5 ANSWER 5 OF 43 USPATFULL on STN  
TI Nucleotide sequence of the *Haemophilus influenzae* Rd genome, fragments thereof, and uses thereof

L5 ANSWER 6 OF 43 USPATFULL on STN  
TI Nucleotide sequence of the *Haemophilus influenzae* Rd genome, fragments thereof, and uses thereof

L5 ANSWER 7 OF 43 USPATFULL on STN  
TI Tetrahydrofolate metabolism enzymes

L5 ANSWER 8 OF 43 USPATFULL on STN  
TI Expressed sequences of *arabidopsis thaliana*

L5 ANSWER 9 OF 43 USPATFULL on STN  
TI Expressed sequences of *arabidopsis thaliana*

L5 ANSWER 10 OF 43 USPATFULL on STN  
TI Polynucleotides and polypeptides derived from corn ear

L5 ANSWER 11 OF 43 USPATFULL on STN  
TI Polynucleotides encoding aminomethyltransferases

L5 ANSWER 12 OF 43 USPATFULL on STN  
TI Methods and compositions for enhancing formyltetrahydropteroylpolyglutamate in plants

L5 ANSWER 13 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1  
TI Isolation and sequencing of a **plant** cDNA encoding a bifunctional **methylene**tetrahydrofolate **dehydrogenase**:methenyltetrahydrofolate cyclohydrolase protein

L5 ANSWER 14 OF 43 USPATFULL on STN  
TI Methods and compositions for enhancing plant growth with p-amino- or p-nitro-benzoic acids

L5 ANSWER 15 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
TI The bi-functional nature of **plant** 5,10-**methylene**tetrahydrofolate **dehydrogenase**-5,10-methenyltetrahydrofolate cyclohydrolase and the characterization of 10-formyltetrahydrofolate synthetase in photosynthetic tissues

L5 ANSWER 16 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2  
TI Distribution of folate derivatives and enzymes for synthesis of 10-formyltetrahydrofolate in cytosolic and mitochondrial fractions of pea leaves

L5 ANSWER 17 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Mitochondria are a major site for folate and thymidylate synthesis in plants

L5 ANSWER 18 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3  
TI A 5,10-**methylene**tetrahydrofolate **dehydrogenase**:5,10-methenyltetrahydrofolate cyclohydrolase protein from *Pisum sativum*

L5 ANSWER 19 OF 43 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 4

- TI The affinity of pea cotyledon 10-formyltetrahydrofolate synthetase for polyglutamate substrates.
- L5 ANSWER 20 OF 43 MEDLINE on STN DUPLICATE 5  
TI Enzymes for synthesis of 10-formyltetrahydrofolate in plants.  
Characterization of a monofunctional 10-formyltetrahydrofolate synthetase and copurification of 5,10-methylenetetrahydrofolate dehydrogenase and 5,10-methenyltetrahydrofolate cyclohydrolase activities.
- L5 ANSWER 21 OF 43 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 6  
TI Isolation, characterization, and structural organization of 10-formyltetrahydrofolate synthetase from spinach leaves.
- L5 ANSWER 22 OF 43 MEDLINE on STN DUPLICATE 7  
TI The occurrence and properties of methylenetetrahydrofolate dehydrogenase in pea seedlings, and intracellular distribution of some folate-linked enzymes in the plant.
- L5 ANSWER 23 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Plant N5, N10-methylenetetrahydrofolate dehydrogenase: partial purification and some general properties of the enzyme from germinating pea seedlings
- L5 ANSWER 24 OF 43 MEDLINE on STN DUPLICATE 8  
TI Occurrence and some properties of N-5,N-10-methylenetetrahydrofolate\*  
\*\* \*\*\*dehydrogenase in plants.
- L5 ANSWER 25 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): Genome evolution in yeasts  
TITLE (TI): Direct Submission
- L5 ANSWER 26 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): Genome evolution in yeasts  
TITLE (TI): Direct Submission
- L5 ANSWER 27 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): Complete genomes of two clinical *Staphylococcus aureus* strains: evidence for the rapid evolution of virulence and drug resistance  
TITLE (TI): Direct Submission
- L5 ANSWER 28 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): Complete genomes of two clinical *Staphylococcus aureus* strains: evidence for the rapid evolution of virulence and drug resistance  
TITLE (TI): Direct Submission
- L5 ANSWER 29 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): Direct Submission
- L5 ANSWER 30 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): Deciphering the biology of *Mycobacterium tuberculosis* from the complete genome sequence  
TITLE (TI): Re-annotation of the genome sequence of *Mycobacterium tuberculosis* H37Rv  
TITLE (TI): Direct Submission
- L5 ANSWER 31 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
  
TITLE (TI): An Evolutionary Hot Spot: the pNGR234b Replicon of *Rhizobium* sp. Strain NGR234  
TITLE (TI): Direct Submission

L5 ANSWER 32 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Deciphering the biology of *Mycobacterium tuberculosis* from the complete genome sequence  
TITLE (TI): Re-annotation of the genome sequence of *Mycobacterium tuberculosis* H37Rv  
TITLE (TI): Direct Submission

L5 ANSWER 33 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Comparative analysis of the genome sequences of *Bordetella pertussis*, *Bordetella parapertussis* and *Bordetella bronchiseptica*  
TITLE (TI): Direct Submission

L5 ANSWER 34 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Comparative analysis of the genome sequences of *Bordetella pertussis*, *Bordetella parapertussis* and *Bordetella bronchiseptica*  
TITLE (TI): Direct Submission

L5 ANSWER 35 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): IRRI Drought Stress Panicle cDNA Library

L5 ANSWER 36 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Functional Genomics of Plant Stress Tolerance

L5 ANSWER 37 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Complete genome sequence of the model actinomycete *Streptomyces coelicolor* A3(2)  
TITLE (TI): Direct Submission

L5 ANSWER 38 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Complete genome sequence of the model actinomycete *Streptomyces coelicolor* A3(2)  
TITLE (TI): Direct Submission

L5 ANSWER 39 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Direct Submission

L5 ANSWER 40 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): Complete genome sequence of a multiple drug resistant *Salmonella enterica* serovar Typhi CT18  
TITLE (TI): Direct Submission

L5 ANSWER 41 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): *Oryza sativa* PAC P0001A07 genomics sequence  
TITLE (TI): Direct Submission  
TITLE (TI): Direct Submission  
TITLE (TI): Direct Submission  
TITLE (TI): Direct Submission

L5 ANSWER 42 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): *Arabidopsis thaliana* chromosome 3 BAC F28J15 genomic sequence  
TITLE (TI): Direct Submission  
TITLE (TI): Direct Submission

L5 ANSWER 43 OF 43 GENBANK.RTM. COPYRIGHT 2004 on STN  
TITLE (TI): a cDNA sequence encoding pea leaf cytosolic bifunctional 5,10-methylenetetrahydrofolate

dehydrogenase-5,10-methenyltetrahydrofolate  
cyclohydrolase  
TITLE (TI) : Direct Submission

=> d his

(FILE 'HOME' ENTERED AT 16:29:32 ON 12 AUG 2004)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANABSTR, ANTE,  
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,  
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,  
CROPU, DISSABS, DDFB, DDFU, DGENE, ...' ENTERED AT 16:29:45 ON 12 AUG 2004  
SEA METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

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2 FILE ADISCTI  
16 FILE AGRICOLA  
2 FILE ANABSTR  
1 FILE BIOENG  
143 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
90 FILE BIOTECHNO  
27 FILE CABA  
40 FILE CANCERLIT  
308 FILE CAPLUS  
2 FILE CEABA-VTB  
3 FILE CONFSCI  
20 FILE DISSABS  
29 FILE DDFB  
9 FILE DDFU  
15 FILE DGENE  
29 FILE DRUGB  
11 FILE DRUGU  
206 FILE EMBASE  
40 FILE ESBIOWBASE  
7\* FILE FEDRIP  
571 FILE GENBANK  
8 FILE IFIPAT  
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49 FILE LIFESCI  
314 FILE MEDLINE  
3 FILE NTIS  
59 FILE PASCAL  
106 FILE SCISEARCH  
93 FILE TOXCENTER  
101 FILE USPATFULL  
6 FILE USPAT2  
4 FILE WPIDS  
4 FILE WPINDEX

L1 QUE METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?

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FILE 'GENBANK, MEDLINE, CAPLUS, EMBASE, BIOSIS, SCISEARCH, USPATFULL,  
TOXCENTER, BIOTECHNO, PASCAL' ENTERED AT 16:35:50 ON 12 AUG 2004

L2 1991 S METHYLENETETRAHYDROFO? (S) DEHYDROGENAS?  
L3 34 S L2 (S)(RICE? OR SATIV?)  
L4 62 S L2 (S)(PLANT? OR RICE? OR SATIV?)  
L5 43 DUP REM L4 (19 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
55.72	61.63

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 16:39:59 ON 12 AUG 2004